

IMAGE PROJECTION SYSTEM WITH AN INVISIBLE-LIGHT REFLECTOR FOR HEAT DISSIPATION

Abstract

An image projection system includes a light source for generating a light beam, a reflective housing, and an invisible-light reflector. The reflective housing includes an opening and forms an accommodating space for accommodating the light source so that the light beam can emit from the opening along an optical path. The invisible-light reflector, whose normal is arranged to form an acute angle with the optical path, is installed at a reflecting position intersecting with the optical path outside the opening of the reflective housing. The invisible light of the light beam will be reflected back to the accommodating space by the invisible-light reflector without any destruction caused by the invisible light.